

FY08 SECTION 106 GROUNDWATER WORKPLAN**Draft or Final (Underline)****Date of latest workplan revision: 09/14/07****REGION 4:**

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Grant Program: Groundwater 106 Grant Program

Goal 2 - Safe and Clean Water Objective 2.1: Protect Human Health Sub-objective: 2.1.1: Water Safe to Drink

Task No.	106 Groundwater Workplan Task Description	Basis for 106 Workplan Task	Outputs/Outcomes	Date Due	End-of-Year State Report/State Comments
<i>Groundwater Program Elements</i>					
1	Number of States and Territories that provided Integrated Reports consistent with EPA's guidance for Assessment, Listing, and Reporting Requirements pursuant to Sections 303(d), 305(b), 314 of the Clean Water Act.	Grant requirement	Output – State Groundwater Program will provide Groundwater reports and updates to be included with the State 305(b) Report. This report is required under the Water Pollution Control Act as a grant requirement.	Groundwater report due April 1 on even years. Updates to the 305(b) report are due April 1 on odd years.	Ground water chapter in April 2008 305(b) report that includes statewide ground water quality assessment results
2	Number of States that have adopted and are implementing monitoring strategies in keeping with established schedules.	WQ-5	Output- Report on Groundwater Program participation/activities in relation to the State monitoring strategy	Mid-year (4/30/2008) End-year (12/31/2008)	(Florida maintains a ground water quality monitoring program that was established in 1984 and maintains an updated comprehensive monitoring strategy per EPA 841-B-03-003. Florida's ground water and surface water monitoring strategies are being implemented by the Watershed Monitoring Section in the Bureau of Watershed Management under a separate 106 workplan.)

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3	Protect groundwater and source water areas by reducing the occurrence of groundwater pollution	Clean Water Act, Water pollution control – rational for 106 Groundwater funding to States	Output – Report on the actions/measures that the State has taken to prevent and abate contamination.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• Most permitted facilities that discharge to ground water are required to generate a ground water monitoring plan as part of the discharge permit. These plans incorporate monitor wells and quarterly water samples to track compliance with the ground water regulations. Each district office has ground water trained staff to review these submittals, develop permit conditions, and review the quarterly monitor reports. Three Department district offices, the Southwest, Central, and South District offices have a large number of facilities to track with limited staffing. Grant funds will support an environmental specialist in these districts to assist with data review, critical to ensuring compliance with Florida's ground water standards and three digital cameras for site inspections.• If grant funds are available, a contractor will provide the technical review of complex ground water models associated with ground water monitoring plans.

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4	Groundwater Quality standards/ risk based rules	Program priority	Output – Report on development, amendments, and rulemaking activities that are related to groundwater resource.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• The Department is currently amending the ground water rules, primarily addressing ground water monitoring plan development and reporting requirements. Grant funds will be used to support travel associated with attending public workshops and public outreach.• Information on any new water quality standards or rules or changes occurring during the year that apply to ground water quality will be provided in mid-year and end-of-year reports

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5	Aquifer characterization Provide description of activities.	Program priority	Output – Report planned activities designed to characterize groundwater resources from a regional or statewide perspective.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• The Ground Water Protection Section intends to complete 5 basin-scale ground water quality assessments during FY 2007. Two GWPS staff members entirely funded by the 106 grant are dedicated to ground water and springs assessment work.• FY07 funds will be used to fund a geochemist position for an assessment of arsenic in Florida's aquifers being conducted by the Florida Geological Survey <p>If sufficient FY2008 funds are available they will also be used for more focused assessments. These include:</p> <ul style="list-style-type: none">• Continuation of a study to deploy seepage meters and natural radon tracer technology to evaluate ground water interaction with lakes; and• Continuation of an assessment of karst hydrology and septic tank contributions to a Wakulla Springs.• Contract the development of aquifer vulnerability models (using the Florida Aquifer Vulnerability Assessment tool) of

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6	Data management/ GIS Provide description of activities.	Program Priority	Output - Report activities that focus specifically on data acquisition, integrating groundwater data with other environmental data, and /or increasing the accessibility of groundwater data among different programs and agencies of the State and EPA.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• The Ground Water Protection Section will continue to compile a database of ambient ground water and springs water quality data that represents all available data from the 5 water management districts, the USGS, and three agency databases and work toward refinement of tools for data retrieval and mapping.• Florida will continue GIS based SWAPP assessments.• SWAPP results and data are maintained in an Oracle database that is used to provide data for the SWAPP website.• The Ground Water Regulatory Section will continue to evaluate the location accuracy and ground water quality of Delineated Areas (areas adopted by rule within which there is known ground water contamination). GIS coverage of these areas will be updated as needed.

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7	Cross –Program/Cross agency Coordination Provide description of activities.	Program Priority	Output -Report activities (other than source water/wellhead protection) that involve and promote coordination with other programs and agencies.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• The ground water activities are enmeshed with Florida's Watershed Approach and we work closely with surface water assessment staff in evaluating ground water-surface water interaction relative to impaired surface waterbodies• The Ground Water Protection Section also works closely with the Springs Initiative, and has a key role in springs water quality assessment and restoration projects• The ground water staff will continue to coordinate the state's protective ground water program with the Florida Department of Agriculture and Consumer Services (DACS). Ground Water Protection Section staff will participate in meetings with the DACS and provide technical assistance on products subject to pesticide registrations and assist in the management of nutrient-related BMP studies at agricultural sites.• Through an interagency agreement, the DEP works with the Department of Health (DOH)

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8	Education and Outreach Provide description of activities.	Program Priority	Output -Report participation in education and outreach programs as well as direct interactions with communities concerning groundwater contamination prevention practices.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• Ground water program staff will update the program web pages during FY 2008. The web pages provide information on the wellhead protection and source water assessment and protection programs, ground water standards, and ground water assessments for individual basins in Florida.• The Ground Water Protection Section is working with local community colleges and other venues to support ground water educational programs. A ground water educational grant with Chipola College that was set up last year will be continued in FY 2008.• The SWAPP website will be maintained and updated.

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9	Environmental Justice	Program Priority	Output - Report activities that specifically target and/or assist minority and low – income communities in groundwater protection.	Mid-year (4/30/2008) End-year (12/31/2008)	(All environmental regulations under development in Florida are discussed during public workshops to engage local citizens into the public policy forum. The Department will conduct at least one public workshop for any environmental regulation that is pursued for adoption concerning ground water protection.)

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10	Other Groundwater Protection Activities Provide description of activities.	Program Priority	Output - Report other activities that aim to prevent, reduce, or eliminate groundwater pollution. With each activity include the objective, methods, deliverable outputs, and planned milestone schedule.	Mid-year (4/30/2008) End-year (12/31/2008)	As 106 grant funding allows, the following projects may be conducted/initiated in FY07: <ul style="list-style-type: none">Continuation of a joint funding agreement with USGS on a ground water-surface water interaction and contaminant transport model for the Chipola Basinfocused ground water-surface water assessments to support TMDL program implementation in the Suwannee River Basin; Available 106 grant funds will support sampling and analytical costs for confirmatory ground water sampling where basin scale assessments identify issues of concern. If funds are available, they will also be used to purchase a replacement vehicle used in quarterly springs and ground water monitoring.

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<i>Source Water Program Elements</i>					
11	Percent of community water systems and percent if the population served by community water systems where risk to public health is minimized by source water protection.	Strategic Target SP-4a and SP-4b EPA Strategic Plan	Output – State provides definition of substantial implementation to determine “minimized risk”. States provide narrative description and percent of CWS and the percent population served that has strategies in place and that are being implemented (See Source Water Assessment and Protection Program Measures Guidance, March 2005.)	Mid-year (4/30/2008) End-year (10/31/2008)	See attached template (Strategic Target SP-4a and SP-4b) for additional reporting requirements. <ul style="list-style-type: none"> Florida will continue to track and report on % of community water systems for which substantial source water protection strategies are being implemented (committed to 62% of community water systems, and 64% of the population served)

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12	Other Source Water/Wellhead Protection Activities Provide description of activities.	Program Priority	Output - Report specific activities that support implementation of the State Source water/Wellhead Protection Programs.	Mid-year (4/30/2008) End-year (12/31/2008)	<ul style="list-style-type: none">• Source water assessments will be updated for the entire state by February 2008.\• If grant funds are available, a contractor will model source water assessment areas for new drinking water systems and update assessment areas for existing systems on an as needed basis.• Obtain and verify accurate location data for potential contaminant sources• Continue to develop the agricultural component of SWAPP• Refine the Florida Aquifer Vulnerability Assessment• Provide assistance to local source water protection efforts through funding of Florida Rural Water Association (FRWA) technicians• Extend a grant with the FRWA for abandonment of private wells that threaten the aquifer or public health in the Florida Panhandle and the Suwannee River Basin.

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<i>Other Grant Activities</i>					
13	Quality Assurance: Quality Management Plan (QMP) The State commits to maintaining an up-to-date and approved Quality Management Plan (QMP). The State shall review its QMP at least annually to reconfirm its suitability and effectiveness. When significant changes occur, as defined in EPA QA/R-2, the State shall revise and resubmit the QMP to EPA for review and approval.	In accordance with EPA Order 5360.1 A2 and <i>EPA Requirements for Quality Management Plans</i> , EPA QA/R-2.	Output: Reconfirm Suitability of existing QMP. QMP expires 07/20/08, submit revised QMP for review and approval 6 months prior to expiration.	12/31/07- for annual confirmation	(Chapter 62-160, Florida Administrative Code (FAC), Quality Assurance, supports the Quality Assurance Management Plan required by the EPA for environmental programs funded in part or in whole by the EPA, as specified in EPA Order 5360.1 A2, dated May 5, 2000, which is incorporated by reference in Rule 62-160.800, F.A.C. Florida's QMP is current.
14	The State commits to maintaining an up-to-date and approved Quality Assurance Project Plan.	EPA Order 5360.1 A1 40 CFR §31.45	Output – QAPP Submit revisions to existing plan or statement that there were no revisions.	12/31/2007 – for annual confirmation	The Florida QAPP was approved on September 11, 2007. The QAPP will be used to maintain quality and consistency in program activities.